

Recovery Plan Action Status

Plan Name: South Florida Multi-Species Recovery Plan (68 spp.)

Plan Status: Final

Plan Date: 18-May-99

Lead Agency: USFWS

Lead Office: South Florida Ecological Services Field Office

(562-3909)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Scrub mint (Dicerandra frutescens)	1	difr-h1.1	Secure habitat through acquisition, landowner agreements, and conservation easements for scrub mint (Dicerandra frutescens).	Partially Complete	Prior to FY 1995		Florida Department of Environmental Protection, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Cost dependent upon specific site and amount of land acquired. Action lead(s): NGO
Scrub mint (Dicerandra frutescens)	2	difr-h1.2.1	Conduct prescribed burns.	Ongoing Current	FY 2000 - FY 2004		Florida Division of Forestry, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 1/acre); Total cost dependent upon number of acres burned. Action lead(s): private
Scrub mint (Dicerandra frutescens)	3	difr-h1.2.2	Control and eliminate exotic and invasive plants and animals.	Ongoing Current	FY 2000 - FY 2004		Florida Department of Environmental Protection, Florida Department of Transportation, Florida Fish and Wildlife Conservation Commission, Non-governmental organizations, Florida Division of Forestry, Water Management Districts	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 2/acre); Total cost dependent upon number of acres infected with exotics. Action lead(s): FWC, private
Scrub mint (Dicerandra frutescens)	2	difr-h1.2.3	Control access to areas where listed plants are growing.	Partially Complete	FY 2000 - FY 2004		Florida Fish and Wildlife Conservation Commission, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Task currently conducted and cost is included in responsible agency's budget. Action lead(s): FWC, private
Scrub mint (Dicerandra frutescens)	3	difr-h2.1	Restore natural fire regime.	Partially Complete	FY 2000 - FY 2004		Florida Division of Forestry, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 1/acre); Total cost dependent upon number of acres burned. Action lead(s): private

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Scrub mint (Dicerandra frutescens)	3	difr-h2.2	Enhance sites with native plant species.	Not Started			Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 0.5/acre). Total cost dependent upon number of acres enhanced. Action lead(s): private
Scrub mint (Dicerandra frutescens)	2	difr-h3.0	Conduct habitat-level research projects.	Ongoing Current	FY 2005		Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Scrub mint (Dicerandra frutescens)	2	difr-h4.0	Monitor habitat/ecological processes.	Not Started			Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Scrub mint (Dicerandra frutescens)	3	difr-h5.0	Provide public information about scrub and its unique biota.	Not Started			Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Non-governmental organizations, Florida Division of Forestry	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Scrub mint (Dicerandra frutescens)	1	difr-s1.1.1	Continue surveys in Highlands County.	Ongoing Current	FY 2010		Florida Natural Areas Inventory	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Scrub mint (Dicerandra frutescens)	3	difr-s1.1.2	Continue surveys on protected lands.	Ongoing Current	FY 2000 - FY 2004		Archbold Biological Station	Work type not yet selected	Labor type not yet selected	Surveys completed on Archbold and the few nearby sites which are the only protected lands. Action lead(s): Archbold
Scrub mint (Dicerandra frutescens)	3	difr-s1.2	Maintain distribution of known populations and suitable habitat in GIS database.	Ongoing Current	FY 2010		Florida Fish and Wildlife Conservation Commission, Florida Natural Areas Inventory, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, private
Scrub mint (Dicerandra frutescens)	2	difr-s1.3	Determine identity of difr population outside accepted scrub mint range.	Complete	FY 2010	FY 2011	Florida Department of Environmental Protection, Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Huck (2001) updated the systematics. Action lead(s): FDEP

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Scrub mint (Dicerandra frutescens)	1	difr-s2.1	Acquire or otherwise protect privately owned habitat through acquisition, conservation easements, or agreements with landowners.	Not Started			Florida Department of Environmental Protection	Work type not yet selected	Labor type not yet selected	Cost dependent upon specific site, amount of land acquired, or type of protection provided. Action lead(s): FWS
Scrub mint (Dicerandra frutescens)	2	difr-s2.2	Protect populations on public lands.	Ongoing Current	FY 2000 - FY 2004		Florida Department of Transportation, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Cost dependent upon type of protection provided. Action lead(s): FWS
Scrub mint (Dicerandra frutescens)	3	difr-s2.3	Use local or regional planning to protect habitat.	Not Started			South Florida counties	Work type not yet selected	Labor type not yet selected	Cost included in standard operating procedures of participating agency's budget. Action lead(s): FWS, counties
Scrub mint (Dicerandra frutescens)	1	difr-s2.4.1	Conserve germ plasm.	Ongoing Current	FY 2010		Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Currently in Bok's collection. Action lead(s): private
Scrub mint (Dicerandra frutescens)	2	difr-s2.4.2	Maintain ex situ collection.	Ongoing Current	FY 2010		Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Scrub mint (Dicerandra frutescens)	2	difr-s2.5.1	Initiate section 7 consultation when applicable.	Ongoing Current	Prior to FY 1995		U.S. Bureau of Land Management, U.S. Department of Agriculture, U.S. Geological Survey, Biological Resources Division, U.S. Geological Survey, U.S. Environmental Protection Agency, U.S. Army Corps of Engineers, Natural Resources Conservation Service , United States Coast Guard , U.S. Air Force	Work type not yet selected	Labor type not yet selected	Cost included in standard operating procedures of Federal agency's budget. Action lead(s): All Federal agencies
Scrub mint (Dicerandra frutescens)	2	difr-s2.5.2	Enforce take and trade prohibitions.	Ongoing Current	Prior to FY 1995		Florida Department of Agriculture and Consumer Services/Division of Plant Industry	Work type not yet selected	Labor type not yet selected	Cost included in standard operating budgets of participating agencies. Action lead(s): FWS, FDACS/DPI
Scrub mint (Dicerandra frutescens)	2	difr-s2.6.1	Establish a protocol for reintroduction.	Not Started			Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS

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Scrub mint (Dicerandra frutescens)	2	difr-s2.6.2	Locate potential (re)introduction sites.	Not Started			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, private
Scrub mint (Dicerandra frutescens)	2	difr-s2.6.3	Reintroduce plants to protected sites.	Not Started			Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Scrub mint (Dicerandra frutescens)	1	difr-s3.1	Continue research to determine demographic information.	Ongoing Current	FY 2000 - FY 2004		Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Scrub mint (Dicerandra frutescens)	3	difr-s3.2	Assess genetic variability for scrub mint.	Not Started			Non-governmental organizations, Archbold Biological Station	Work type not yet selected	Labor type not yet selected	See Menges et al. (2001). Action lead(s): Archbold
Scrub mint (Dicerandra frutescens)	1	difr-s3.3	Once demographic data are known, conduct population viability and risk assessment analysis.	Complete	FY 2007	FY 2008	Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Researchers at Archbold are preparing to publish a population viability analysis. Action lead(s): private
Scrub mint (Dicerandra frutescens)	2	difr-s3.4	Conduct research to assess management requirements of scrub mint.	Complete	FY 1995 - FY 1999	FY 2000 - FY 2004	Archbold Biological Station	Research: Competition, Research: Demographic Studies, Research: Disease, Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques	Contract, Species Expert	Action lead(s): ABS
Scrub mint (Dicerandra frutescens)	2	difr-s4.1.1	Monitor to detect changes in demographic characteristics.	Ongoing Current	FY 1995 - FY 1999		Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Scrub mint (Dicerandra frutescens)	1	difr-s4.1.2	Monitor the effects of various land management actions on scrub mint.	Ongoing Current	FY 2007		Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Scrub mint (Dicerandra frutescens)	2	difr-s4.2	Develop a quantitative description of the population structure of scrub mint.	Complete	FY 2007		Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Researchers at Archbold are preparing to publish a population viability analysis. Action lead(s): private
Scrub mint (Dicerandra frutescens)	2	difr-s4.3	Monitor reintroduced plants.	Not Started			Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): private

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Scrub mint (Dicerandra frutescens)	3	difr-s5.0	Provide public information about scrub mint.	Ongoing Current	FY 2007		Florida Fish and Wildlife Conservation Commission, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): private